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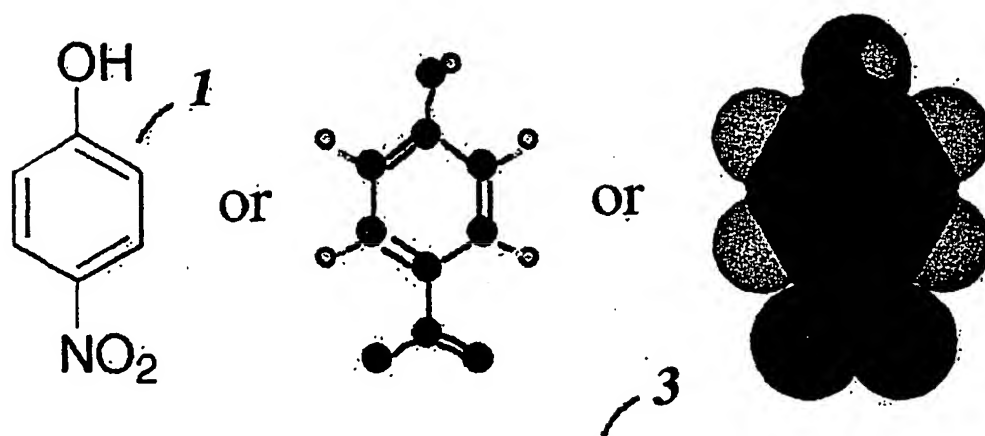
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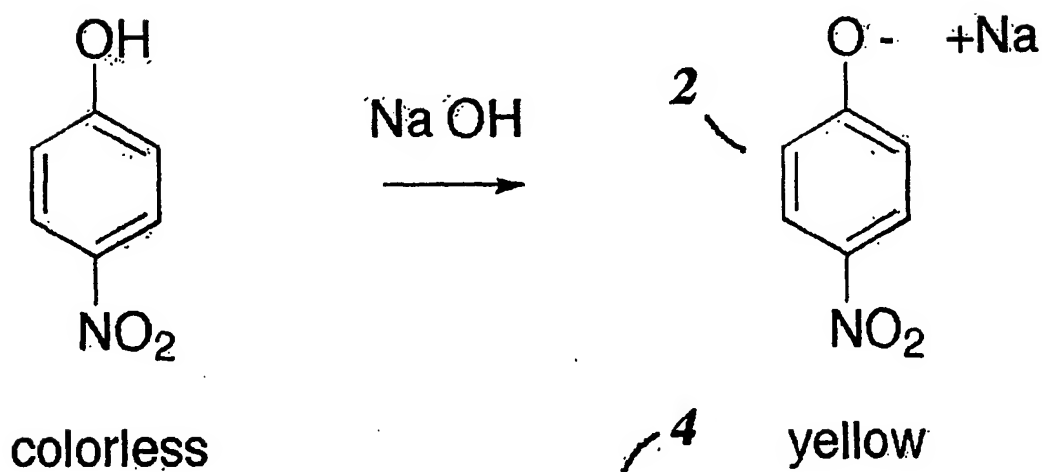
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structural characterization



diagnostic analysis

FIG. 1

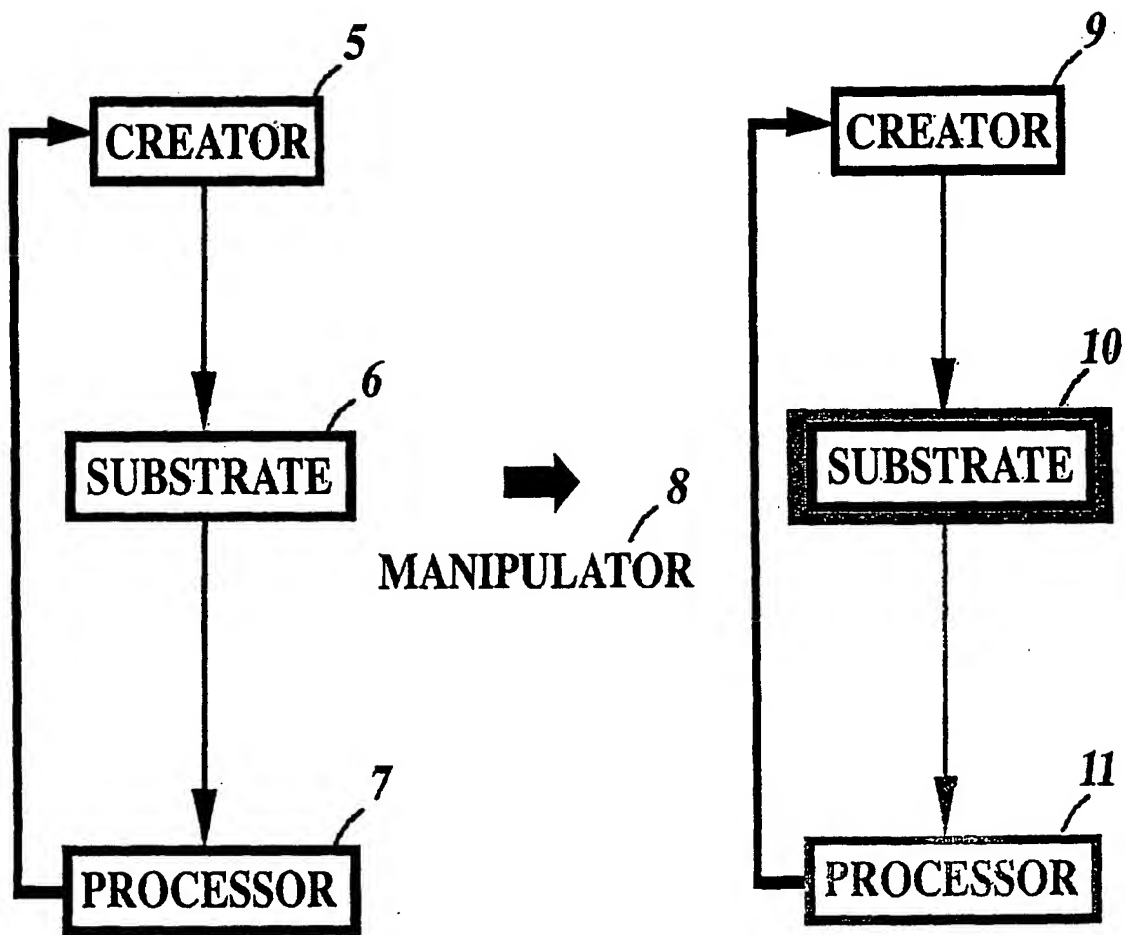


FIG. 2

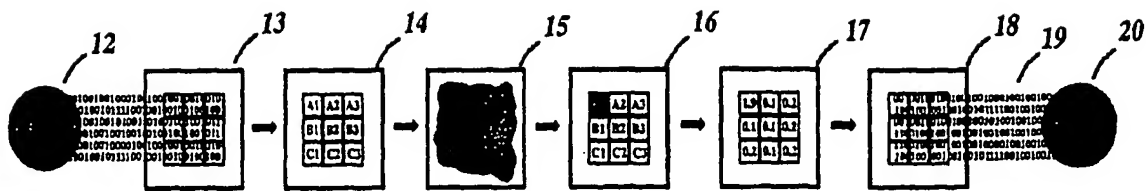


FIG. 3

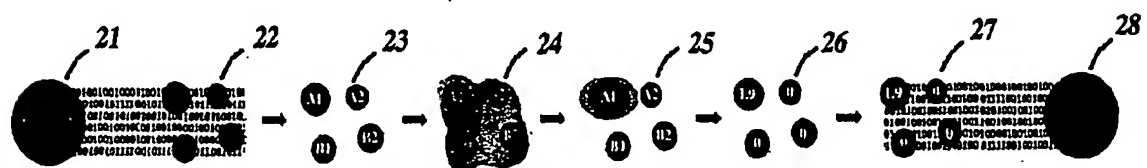


FIG. 4

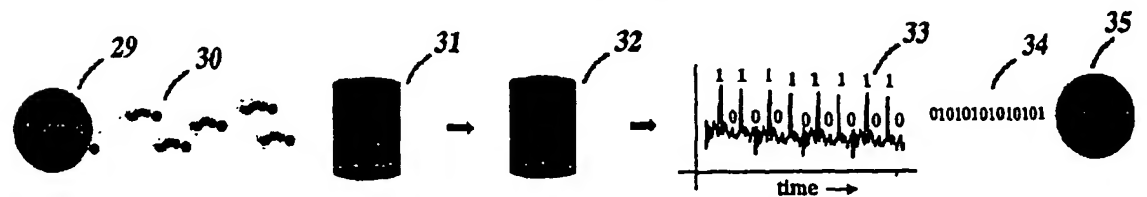


FIG. 5

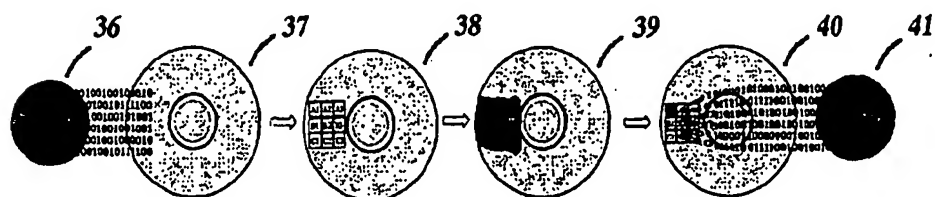


FIG. 6

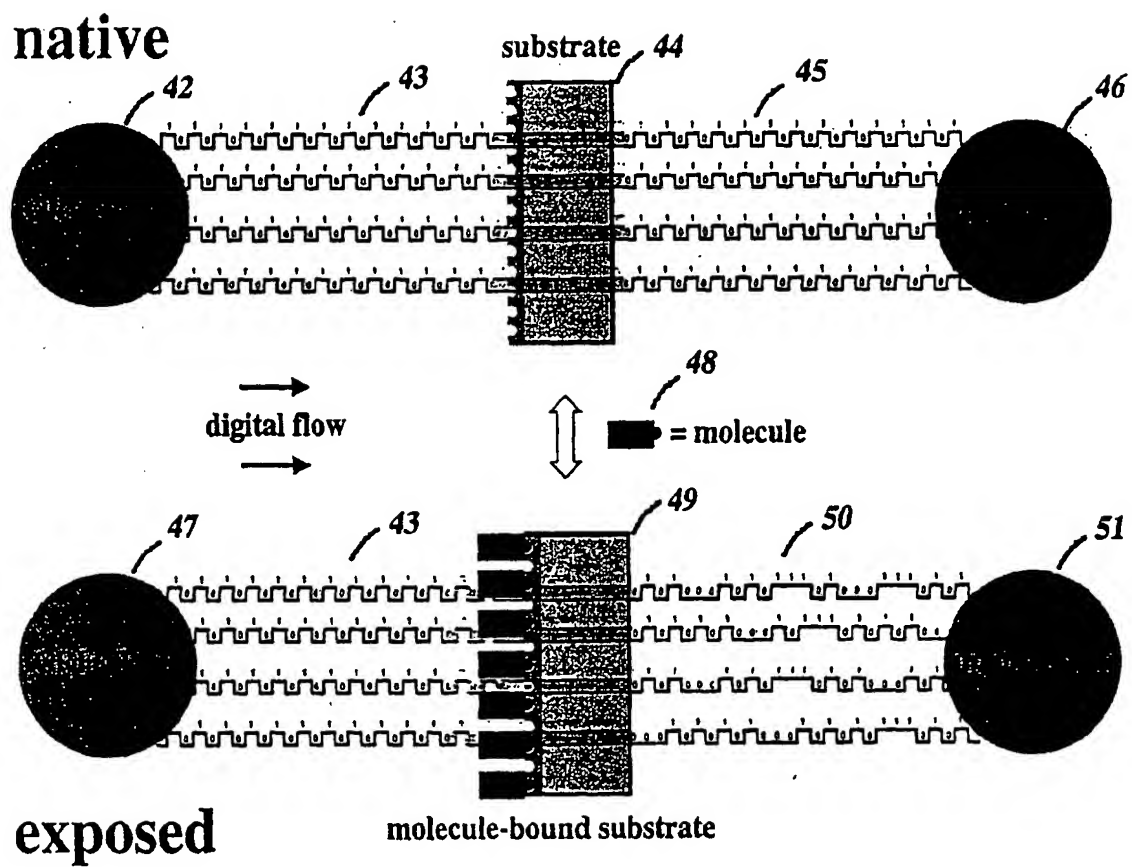
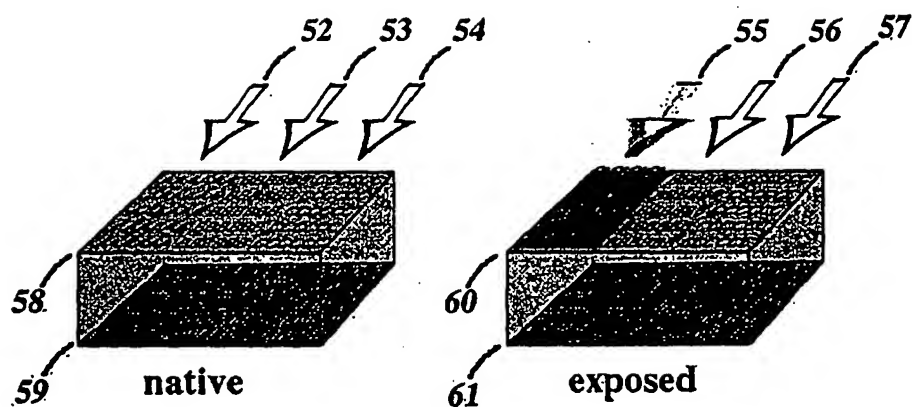


FIG. 7



	A 62	B 63	C 64
native	000000000000 000000000000 000000000000 000000000000 000000000000	010101010101 010101010101 010101010101 010101010101 010101010101	111111111111 111111111111 111111111111 111111111111 111111111111
exposed	010010100100 001001001000 010000100010 011000001000 001000110010	010101010101 010101010101 010101010101 010101010101 010101010101	111111111111 111111111111 111111111111 111111111111 111111111111
flux	010010100100 001001001000 010000100010 011000001000 001000110010	000000000000 000000000000 000000000000 000000000000 000000000000	000000000000 000000000000 000000000000 000000000000 000000000000
	68	69	70

FIG. 8

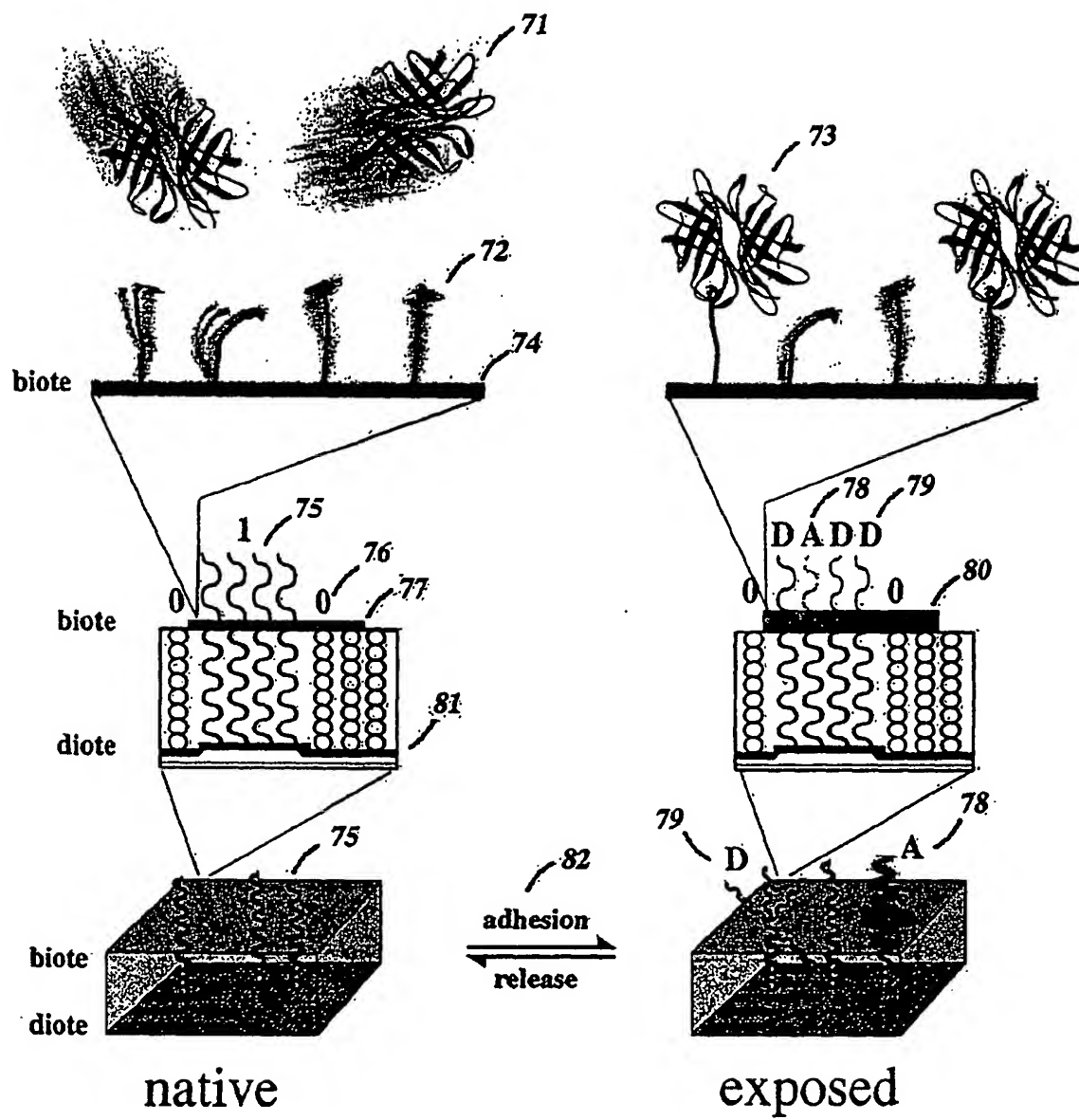


FIG. 9

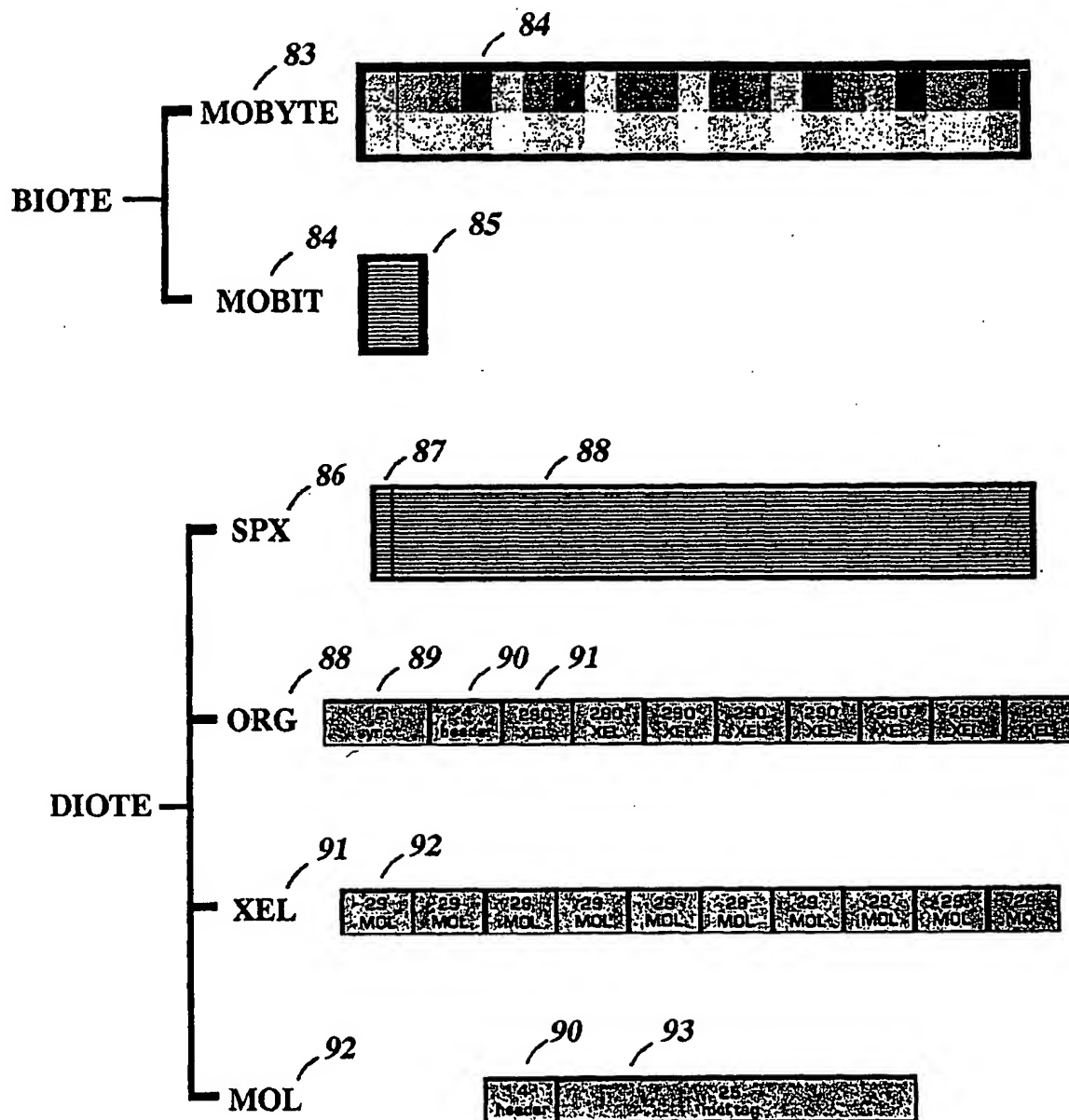
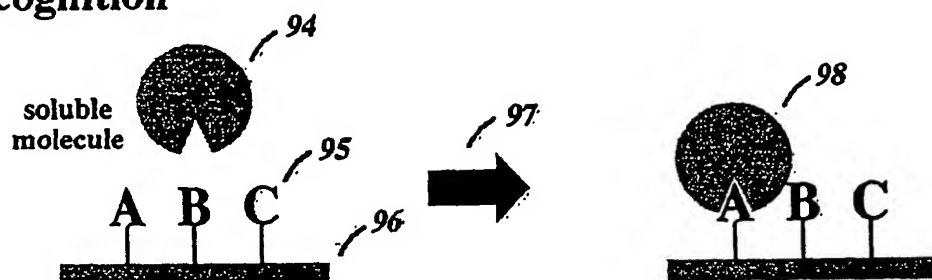
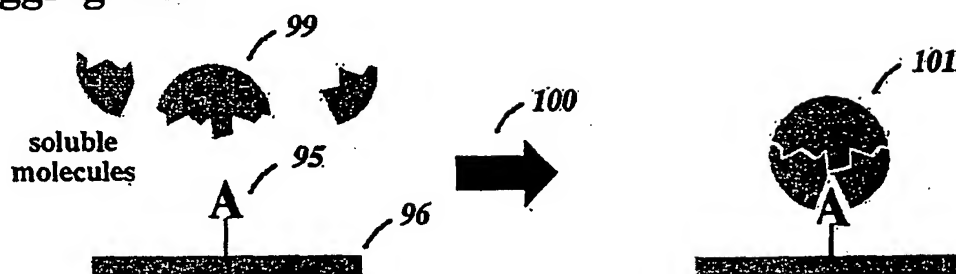


FIG. 10

Recognition



Aggregation



Reactivity

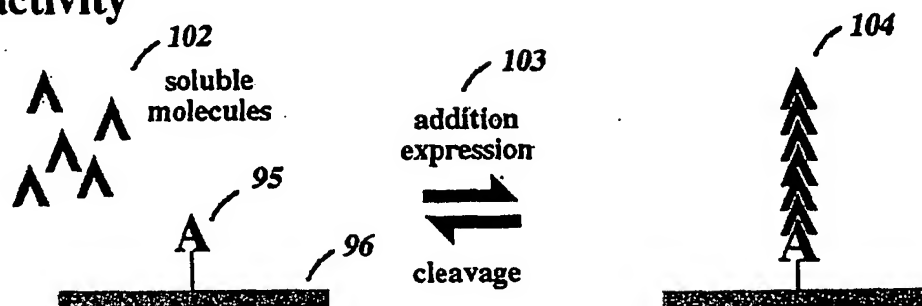


FIG. 11

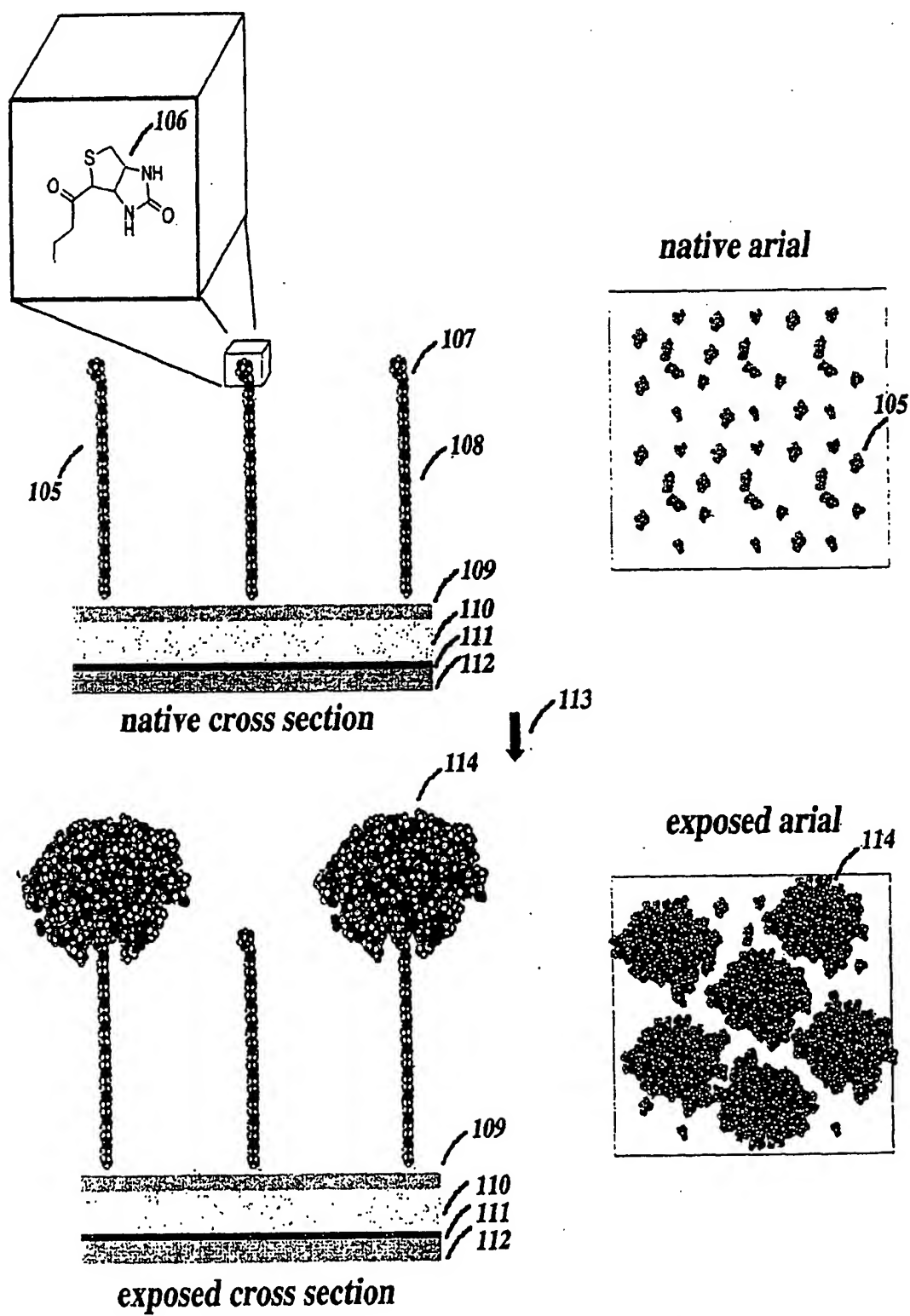


Fig. 12

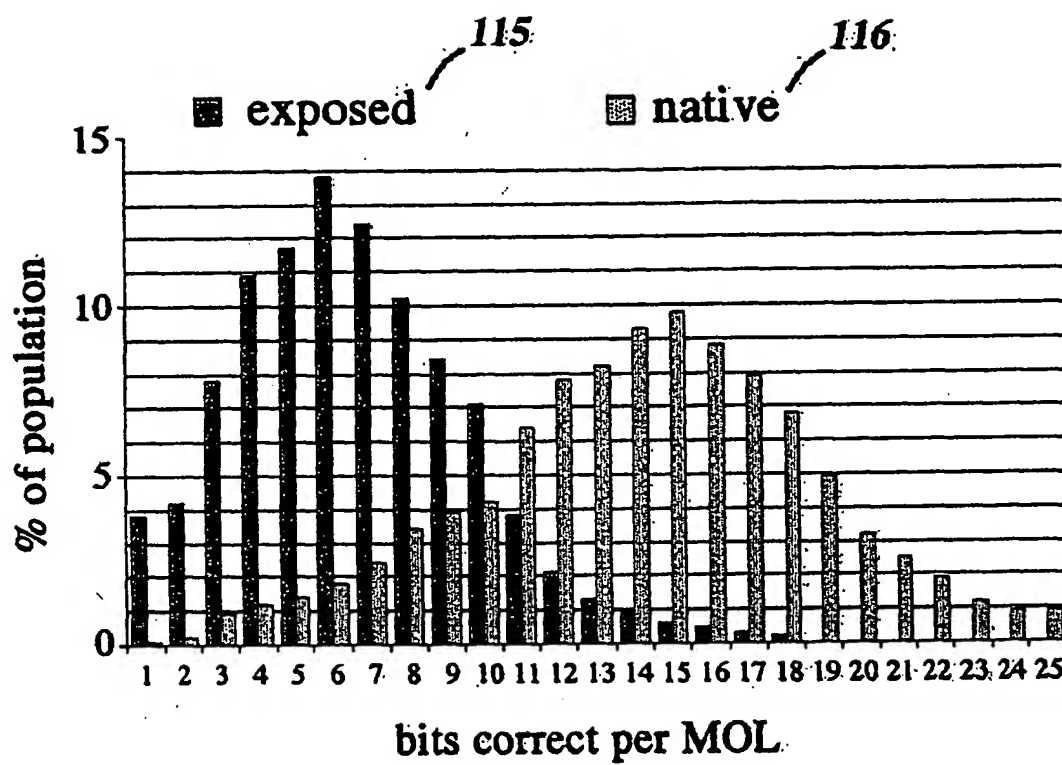


FIG. 13